

Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
(REV. 2-83)

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

ATTORNEY SERIAL NO. FILING DATE GROUP APPLICANT
DOCKET NO.

K-2153 03/02/2004 Minoru Hiragaki

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-C LASS	TRANSLATION YES NO
	3041602	07/09/97	Japan			X
	61-4578	01/11/86	Japan			X
	3093942	02/26/03	Japan			X
	6-81275	11/22/94	Japan			X
	52-14190	unknown	Japan			X
	10-94353	04/14/98	Japan			X
	7-327563	12/19/95	Japan			X
	2000-197435	07/18/00	Japan			X
	52-672	01/06/77	Japan			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

In the Japanese Action dated September 2, 2003, claims were rejected as follows;

List of References:

1. Japanese Utility Model No. 3041602
2. Japanese Utility Model Publication No. 61-4578
3. Japanese Utility Model No. 3093942
4. Japanese Patent Publication No. 2001-321049
5. Japanese Utility Model Publication No. 6-81275
6. Japanese Utility Model Publication No. 52-14190
7. Japanese Patent Publication No. 10-94353

Claims 1 and 2 were rejected by the reference 1.
Claim 3 was rejected by the references 1, 2 and 3.
Claim 4 was rejected by the reference 1.
Claim 5 was rejected by the reference 1.
Claim 6 was rejected by the references 1 and 4.
Claims 7 and 8 were rejected by the reference 1.
Claim 9 was rejected by the reference 1.
Claim 10 was rejected by the reference 1.
Claim 11 was rejected by the reference 5.
Claim 12 was rejected by the references 1 and 6.
Claim 13 was rejected by the references 1 and 7.
Claim 14 was rejected by the reference 1.